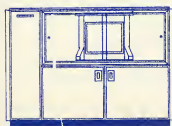
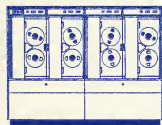
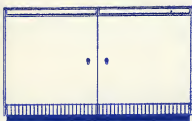


I.C.T.

A COMPANY PROFILE



International Computers and Tabulators Limited
I.C.T. House, Putney, London, S.W.15. Putney 7272

A Company Profile

I.C.T. is Britain's largest organisation specialising in data processing equipment and methods. Its revenue for 1964 was over £58 million. By the end of September, 1964, the Company had delivered 270 second generation computers and had orders for nearly 120 more. In addition, orders for I.C.T.'s new 1900 Series were over 100 by the middle of December, 1964.

The majority of punched card machines installed in the U.K. are of I.C.T. manufacture, and there are many other installations overseas.

I.C.T. is represented through subsidiary and associated companies, branches and dealers in more than 50 countries overseas.

I.C.T. employs some 20,000 people at home and overseas.

Landmarks in I.C.T.'s progress

In 1959, I.C.T. was formed by the merger of Britain's leading manufacturers of data processing equipment—The British Tabulating Machine Company Ltd. and Powers-Samas Accounting Machines Ltd.

In 1961, International Computers and Tabulators (Engineering) Ltd. was formed, with The General Electric Company Ltd. as a partner, and this subsidiary acquired from G.E.C. the designers and engineers who had contributed to the development of the electronics of the I.C.T. 1301 computer. In July, 1962, the commercial data processing division of E.M.I. Electronics Ltd., a subsidiary of Electric and Musical Industries Ltd. was acquired. In September, 1963, the computer department of Ferranti Ltd. joined the I.C.T. group.

Research Links

Research and development work, which is essential to maintain the pacemaking character of the I.C.T. group of companies, is undertaken by the laboratories at Stevenage (Hertfordshire), West Gorton (nr. Manchester), and Bracknell (Berkshire). In addition, I.C.T. has access to Ferranti research applicable to the business data processing field.

An agreement for the exchange of technical information has been established by I.C.T. with the Radio Corporation of America since 1961. Successful collaboration continues between



Head Office: I.C.T. House, Putney, London, S.W.15

the former Ferranti computer department (now part of I.C.T.) and the University of Manchester; it is this partnership which led to the production of the Atlas computer, one of the most powerful in the world. Similar collaboration with the University of Cambridge, which resulted in Atlas 2, also continues.

Production Centres

The manufacturing resources of I.C.T. in the U.K. are concentrated chiefly in the Letchworth/Stevenage area (Herts.), West Gorton (nr. Manchester), Castlereagh (nr. Belfast), and Croydon (Surrey).

Products

The Company's products take three forms: electronic computer systems, punched card data processing systems, and peripheral equipment for I.C.T. and other manufacturers' computers. I.C.T. punched card systems can be divided into two main categories; the major 80-column series, with electronic computing power available through a range of electronic calculators and

computers ; and the 40-column range which may be extended, with the addition of computer and auxiliary equipment, into powerful small card data processing systems.

I.C.T. computer systems range from the 1300 Series to the giant Atlas computer. These systems can handle a wide variety of work, and are backed by extensive programming facilities. I.C.T. also markets ancillary equipment for document handling and data preparation and transmission. In addition, I.C.T. produces the office furniture and stationery that is essential for the efficient functioning of data processing departments.

The 1900 Series for Economic Data Processing

An outstanding achievement for I.C.T. during 1964 was the introduction of the 1900 Series of computer systems. People have asked :

'Can the British computer industry compete ?'

The answer is a positive 'Yes'. Any company or industry can only progress by offering goods competitive in price, performance and delivery.

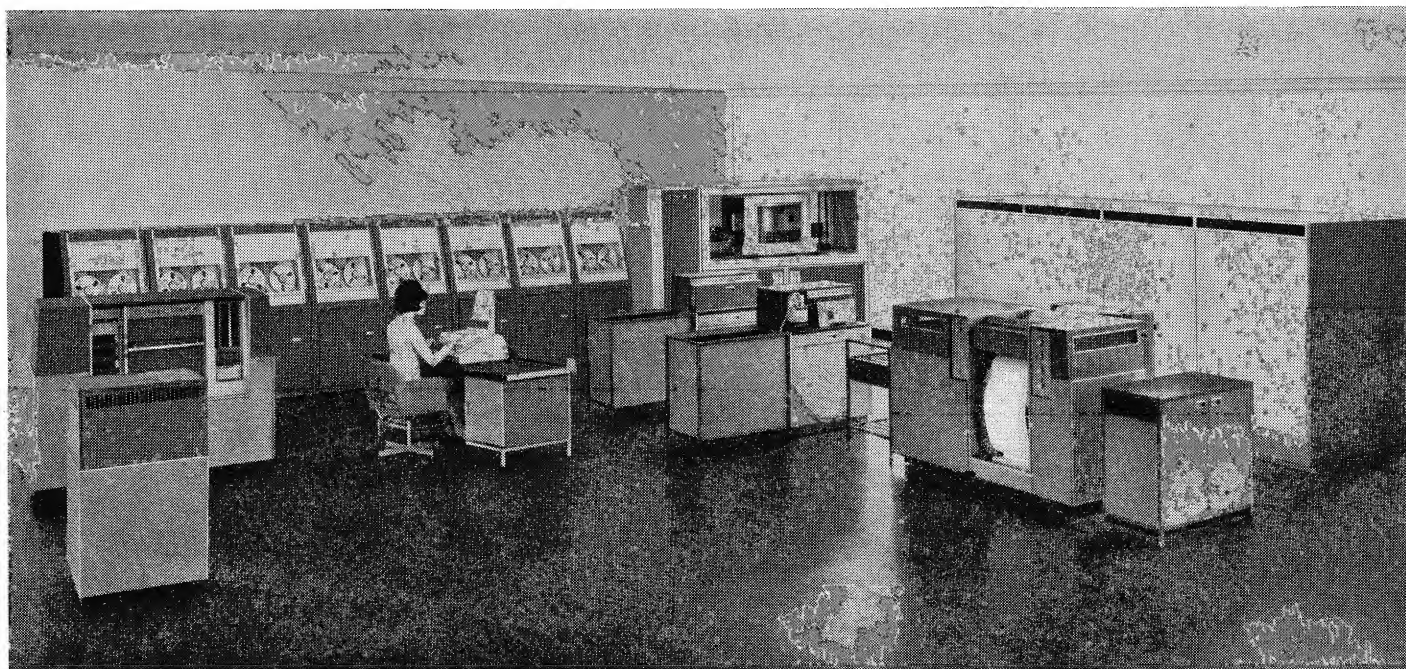
The new 1900 Series more than meets these

A larger configuration of the I.C.T. 1900 Series

requirements. Indeed, this series represents the first fruits of rationalisation of the industry in the United Kingdom.

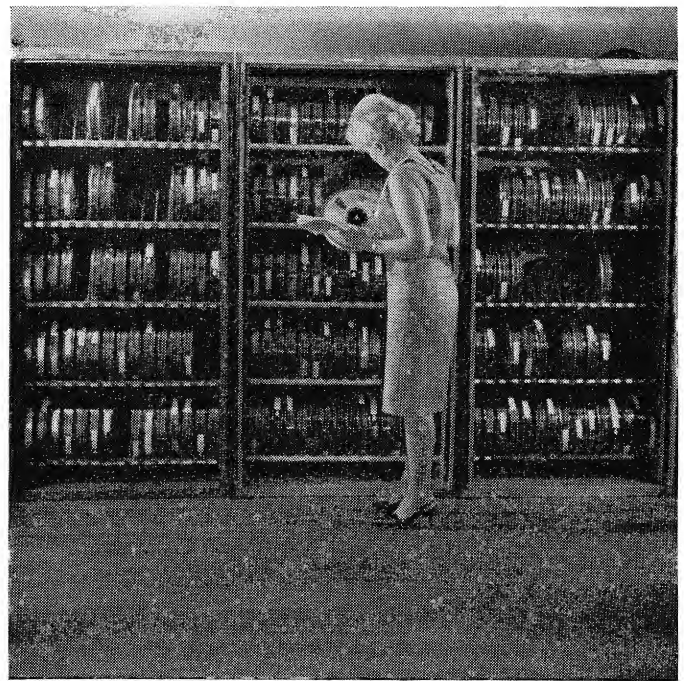
I.C.T. has played a leading part in this, and has marshalled some of the best available scientific and technological skills in order to produce a product which will appeal to many organisations as a sound long-term investment. This development should do much to encourage managements to come to terms with the computer. The 1900 Series is a comprehensive range of central processors and peripheral equipment possessing several notable characteristics. It can undertake commercial, industrial and scientific tasks for users of any size ; it can be extended or modified to meet changes in users' needs ; it represents the best efficiency-to-price ratio, whatever its size. Furthermore, future technological advances can be incorporated in the system.

Broadly speaking the series consists of a number of central processors—1902, 1903 and so on—varying in store capacity and capability ; an operator's typewriter for communicating with the processor ; and an extensive range of peripheral



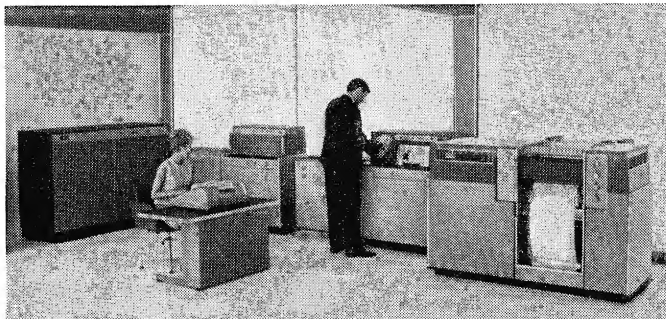
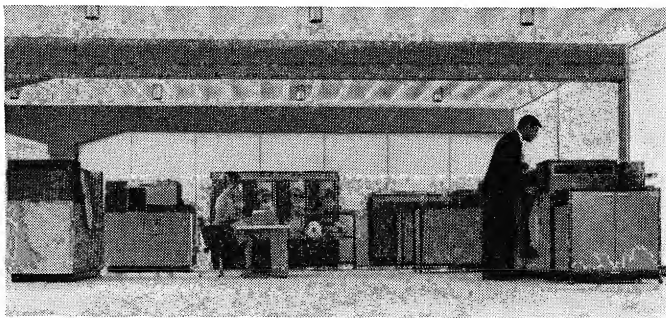
equipment, such as punches, readers, printers, magnetic storage files, and computer communications devices. Each item of equipment is connected to the processor by an I.C.T. linking device, known as Standard Interface. This device enables processors and peripheral equipment to be fully interchangeable. Users can select the exact equipment to form the system that will meet their needs, knowing it may be changed if and when those needs change. At the same time, this linking device will enable users to take advantage of new peripherals and/or central processors produced by I.C.T. in the future.

Of particular interest is the ability of certain systems in the series to perform a number of tasks at the same time. Multi-programming, as it is called, is governed by an executive program stored in the processor. It controls the flow of work and the multi-programming operation of a system, automatically ensuring maximum productivity of the system.



A section of the I.C.T. program library

Two smaller configurations of the I.C.T. 1900 Series



The programming aids, or 'software', provided by I.C.T. include major programming languages that enable the user to express problems in business or mathematical statements ; sub-routines for all common business procedures and mathematical formulae ; and packaged programs for complete business routines.

The 1900 Series was launched simultaneously in 18 countries at the end of September, 1964.

Full scale presentations were made to specially selected audiences in 18 centres throughout the United Kingdom, and in 36 centres overseas. Two systems in the series, 1903 and 1904, were shown at the autumn

Business Efficiency Exhibition in London.

The 1900 Series can undertake a wide diversity of tasks. It can process a number of them at the same time. It can be modified or expanded to meet changes in requirements. These are just three of its salient features. Taken with its many others they give rise to the confident prediction of a long and successful future for this flexible, advanced and, above all, economic computer series.

I.C.T ORIGINAL EQUIPMENT MANUFACTURERS SALES

Computer/Data Processing System manufacturers' enquiries regarding I.C.T equipment should be addressed to either of the following specialist sales centres:

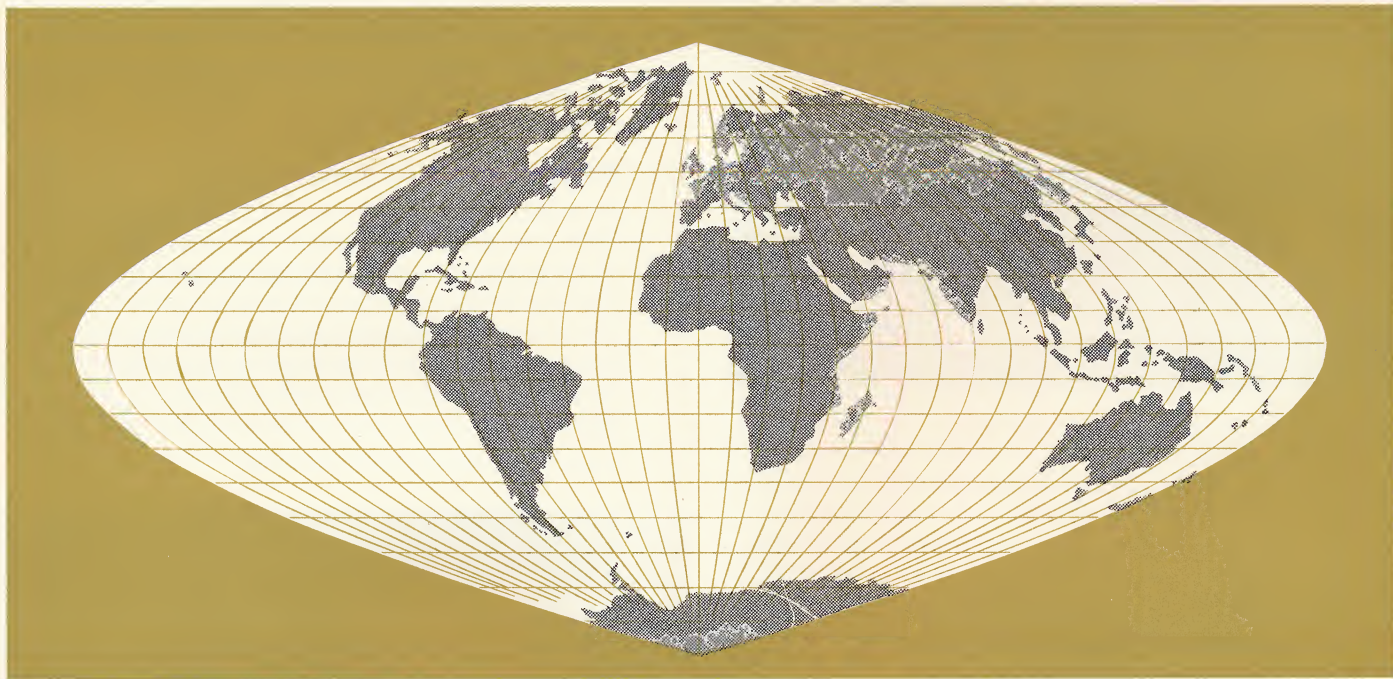
United Kingdom

International Computers and Tabulators Ltd.,
O.E.M. Sales,
Cavendish Road, Stevenage, Hertfordshire, England.
Telephone Stevenage 3361.
Telex 82210.

United States of America

International Computers and Tabulators Ltd.,
839 Stewart Avenue, Garden City, New York, 11533.

Telephone 516CH 8-5656.
Telex 01—25515.



I.C.T. Sales Offices in the United Kingdom are located in: Aberdeen, Beckenham, Belfast, Birmingham, Brighton, Bristol, Cardiff, Coventry, Dundee, Edinburgh, Exeter, Glasgow, Harrow, Hull, Kingston-upon-Thames, Leeds, Leicester, Letchworth, Liverpool, London, Manchester, Middlesbrough, Newcastle-upon-Tyne, Norwich, Nottingham, Oxford, Preston, Sheffield, Southampton, Wolverhampton.

I.C.T., its subsidiaries, branches and dealers, operate overseas in: Aden, Portuguese E. Africa, Australia, Austria, Belgium, Burma, Central Africa (Malawi, Rhodesia, Zambia), Ceylon, Denmark, East Africa (Kenya, United Republic of Tanzania, Uganda), Eastern Europe, Egypt, Finland, France, Germany, Ghana, Holland, Hong Kong, India, Iran, Iraq, Ireland, Italy, Japan, Jordan, Kuwait, Lebanon, Libya, Malaysia, Malta, Mauritius, Mexico, New Zealand, Nigeria, Norway, Pakistan, South Africa, Spain, Sudan, Sweden, Switzerland, West Indies (Grenada, Guadeloupe, Jamaica, St. Lucia, Trinidad).

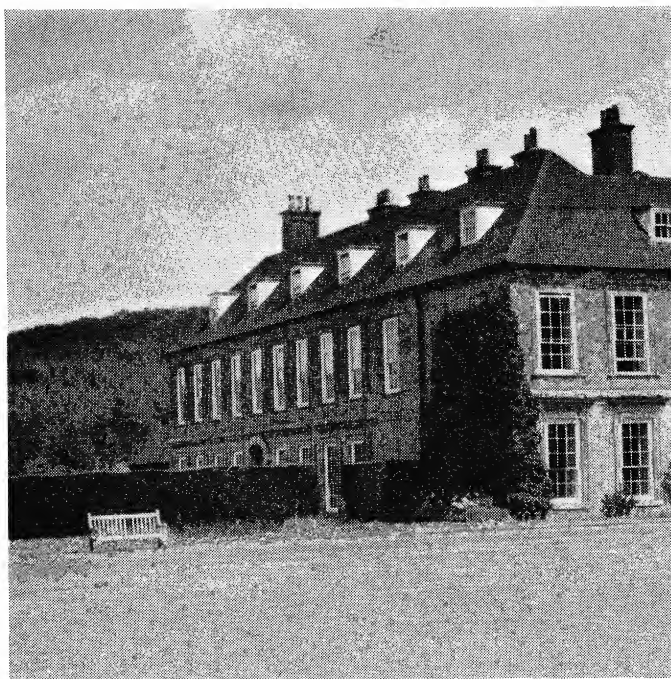
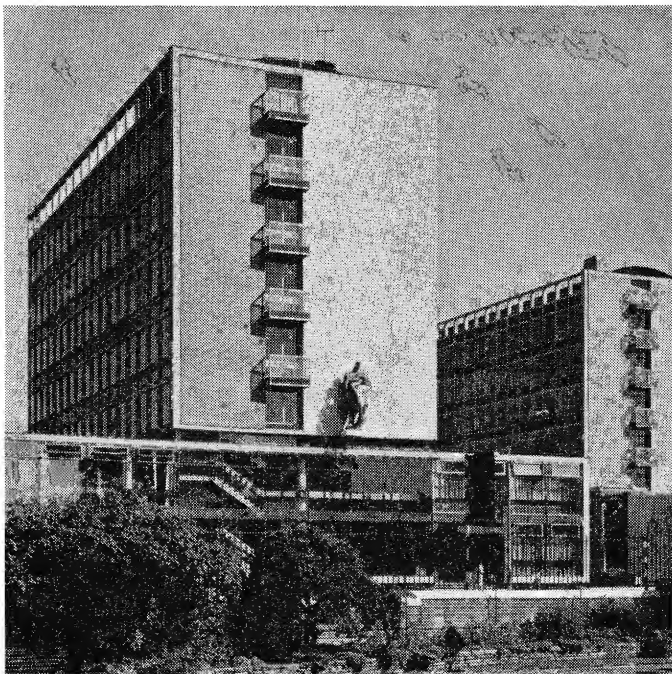
Sales Organisation

The centre of I.C.T.'s far-reaching sales organisation, both in the United Kingdom and overseas, is at Bridge House, Putney, the I.C.T. sales headquarters. Here too data processing information and ideas are consolidated and software is produced for the use of customers and I.C.T. centres throughout the world.

In the demonstration rooms at Bridge House there are 1300, 1500 and 1900 Series computers, and also I.C.T. 40 and I.C.T. 80 ranges of tabulating and data processing equipment. They are used for demonstrations to potential customers, for software development by I.C.T. and for program proving by customers in readiness for the delivery of their own equipment.

These activities are paralleled in every major country abroad. Data processing bureaux throughout the world, having an extensive range

I.C.T. Sales Headquarters, Bridge House, Putney, London, S.W.6



Bradenham Manor Training Centre

of I.C.T. equipment, accept commissions of all kinds on a service basis.

Advice and other services are available from more than thirty sales offices throughout Britain, and in principal centres overseas.

Education and Training

Each year, some five and a half thousand students from I.C.T. and customers' staff spend on average between two and three weeks at I.C.T. residential training centres at Moor Hall and The Grange, Cookham, and at Bradenham Manor, High Wycombe. Courses cover punched card equipment, computer training and systems appreciation. Non-residential courses are held in central London in all types of data processing equipment, and at Putney for computer appreciation and application instruction.